	Complete if Known	
	Application Serial Number	10/603,852
	Filing Date	June 25, 2003
	First Named Inventor	Wu
	Group Art Unit	2811
	Examiner Name	Douglas W. Owens
	Attorney Docket No.	ASC-022CPC1

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																												
1. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other 2. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 07-1700. <input type="checkbox"/> Required Fees (copy of this sheet enclosed). <input checked="" type="checkbox"/> Additional fee required under 37 CFR 1.16 and 1.17. <input checked="" type="checkbox"/> Overpayment Credit. 3. <input type="checkbox"/> Applicant claims small entity status.	3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Large Entity Fee (\$)</th> <th style="width: 15%;">Small Entity Fee (\$)</th> <th style="width: 50%;">Fee Description</th> <th style="width: 20%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>130</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>50</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>130</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>2,520</td><td>2,520</td><td>Request for ex parte reexamination</td><td></td></tr> <tr><td>120</td><td>60</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>450</td><td>225</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1020</td><td>510</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1590</td><td>795</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>2160</td><td>1080</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>500</td><td>250</td><td>Notice of Appeal</td><td></td></tr> <tr><td>500</td><td>250</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1000</td><td>500</td><td>Request for oral hearing</td><td></td></tr> <tr><td>400</td><td>400</td><td>Petitions to the Commissioner (Gp. I)</td><td></td></tr> <tr><td>200</td><td>200</td><td>Petitions to the Commissioner (Gp. II)</td><td></td></tr> <tr><td>130</td><td>130</td><td>Petitions to the Commissioner (Gp. III)</td><td></td></tr> <tr><td>180</td><td>180</td><td>Submission of Supplemental Information Disclosure Statement</td><td>\$180.00</td></tr> <tr><td>790</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>790</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>100</td><td>100</td><td>Certificate of Correction for applicant's error</td><td></td></tr> <tr><td>130</td><td>65</td><td>Submission of Terminal Disclaimer</td><td></td></tr> <tr><td colspan="2">Other fee (Specify) _____</td><td></td><td></td></tr> <tr><td colspan="2">Other fee (Specify) _____</td><td></td><td></td></tr> </tbody> </table> <div style="text-align: right;"> SUBTOTAL (3) (\$) 180.00 </div>	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	130	65	Surcharge - late filing fee or oath		50	25	Surcharge - late provisional filing fee or cover sheet		130	130	Non-English specification		2,520	2,520	Request for ex parte reexamination		120	60	Extension for reply within first month		450	225	Extension for reply within second month		1020	510	Extension for reply within third month		1590	795	Extension for reply within fourth month		2160	1080	Extension for reply within fifth month		500	250	Notice of Appeal		500	250	Filing a brief in support of an appeal		1000	500	Request for oral hearing		400	400	Petitions to the Commissioner (Gp. I)		200	200	Petitions to the Commissioner (Gp. II)		130	130	Petitions to the Commissioner (Gp. III)		180	180	Submission of Supplemental Information Disclosure Statement	\$180.00	790	395	Filing a submission after final rejection (37 CFR 1.129(a))		790	395	For each additional invention to be examined (37 CFR 1.129(b))		100	100	Certificate of Correction for applicant's error		130	65	Submission of Terminal Disclaimer		Other fee (Specify) _____				Other fee (Specify) _____			
Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																										
130	65	Surcharge - late filing fee or oath																																																																																											
50	25	Surcharge - late provisional filing fee or cover sheet																																																																																											
130	130	Non-English specification																																																																																											
2,520	2,520	Request for ex parte reexamination																																																																																											
120	60	Extension for reply within first month																																																																																											
450	225	Extension for reply within second month																																																																																											
1020	510	Extension for reply within third month																																																																																											
1590	795	Extension for reply within fourth month																																																																																											
2160	1080	Extension for reply within fifth month																																																																																											
500	250	Notice of Appeal																																																																																											
500	250	Filing a brief in support of an appeal																																																																																											
1000	500	Request for oral hearing																																																																																											
400	400	Petitions to the Commissioner (Gp. I)																																																																																											
200	200	Petitions to the Commissioner (Gp. II)																																																																																											
130	130	Petitions to the Commissioner (Gp. III)																																																																																											
180	180	Submission of Supplemental Information Disclosure Statement	\$180.00																																																																																										
790	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																											
790	395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																											
100	100	Certificate of Correction for applicant's error																																																																																											
130	65	Submission of Terminal Disclaimer																																																																																											
Other fee (Specify) _____																																																																																													
Other fee (Specify) _____																																																																																													
FEE CALCULATION 1. FILING/SEARCH/EXAM/SIZE FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Large Entity Fee (\$)</th> <th style="width: 40%;">Fee Description</th> <th style="width: 45%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>300</td><td>Utility filing fee</td><td></td></tr> <tr><td>500</td><td>Utility search fee</td><td></td></tr> <tr><td>200</td><td>Utility exam fee</td><td></td></tr> <tr><td>250</td><td>Utility size fee (each add'l 50 pgs. over 100)</td><td></td></tr> <tr><td>200</td><td>Design filing fee</td><td></td></tr> <tr><td>100</td><td>Design search fee</td><td></td></tr> <tr><td>130</td><td>Design exam fee</td><td></td></tr> <tr><td>250</td><td>Design size fee (each add'l 50 pgs. over 100)</td><td></td></tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Number Filed</th> <th style="width: 15%;">Number Extra</th> <th style="width: 15%;">Rate</th> <th style="width: 55%;">Amount</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>- 20 =</td> <td>x \$ 50.00 =</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>- 3 =</td> <td>x \$200.00 =</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Multiple Dependent Claim(s), if any</td> <td>\$360.00 =</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>TOTAL:</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>SMALL ENTITY DISCOUNT:</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>SUBTOTAL (1) (\$)</td> <td></td> </tr> </tbody> </table> 2. AMENDMENT CLAIM FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Claims Remaining After Amend.</th> <th style="width: 10%;">Highest No. Previously Paid For</th> <th style="width: 10%;">Present Extra</th> <th style="width: 10%;">Rate</th> <th style="width: 60%;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total 70</td> <td>- 124 =</td> <td></td> <td>x \$ 50.00 =</td> <td></td> </tr> <tr> <td>Indep. 24</td> <td>- 24 =</td> <td></td> <td>x \$200.00=</td> <td></td> </tr> <tr> <td colspan="3"><input type="checkbox"/> First Presentation of Multiple Dep. Claim</td> <td>+ \$360.00=</td> <td></td> </tr> <tr> <td colspan="3"></td> <td>TOTAL:</td> <td>(\$)</td> </tr> <tr> <td colspan="3"></td> <td>SMALL ENTITY DISCOUNT:</td> <td>(\$)</td> </tr> <tr> <td colspan="3"></td> <td>SUBTOTAL (2) (\$)</td> <td></td> </tr> </tbody> </table>	Large Entity Fee (\$)	Fee Description	Fee Paid	300	Utility filing fee		500	Utility search fee		200	Utility exam fee		250	Utility size fee (each add'l 50 pgs. over 100)		200	Design filing fee		100	Design search fee		130	Design exam fee		250	Design size fee (each add'l 50 pgs. over 100)		Number Filed	Number Extra	Rate	Amount	Total Claims	- 20 =	x \$ 50.00 =		Independent Claims	- 3 =	x \$200.00 =		<input type="checkbox"/> Multiple Dependent Claim(s), if any		\$360.00 =				TOTAL:				SMALL ENTITY DISCOUNT:				SUBTOTAL (1) (\$)		Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid	Total 70	- 124 =		x \$ 50.00 =		Indep. 24	- 24 =		x \$200.00=		<input type="checkbox"/> First Presentation of Multiple Dep. Claim			+ \$360.00=					TOTAL:	(\$)				SMALL ENTITY DISCOUNT:	(\$)				SUBTOTAL (2) (\$)		<div style="text-align: right;"> SUBTOTAL (1) 180.00 SUBTOTAL (2) SUBTOTAL (3) TOTAL (\$) 180.00 </div>		
Large Entity Fee (\$)	Fee Description	Fee Paid																																																																																											
300	Utility filing fee																																																																																												
500	Utility search fee																																																																																												
200	Utility exam fee																																																																																												
250	Utility size fee (each add'l 50 pgs. over 100)																																																																																												
200	Design filing fee																																																																																												
100	Design search fee																																																																																												
130	Design exam fee																																																																																												
250	Design size fee (each add'l 50 pgs. over 100)																																																																																												
Number Filed	Number Extra	Rate	Amount																																																																																										
Total Claims	- 20 =	x \$ 50.00 =																																																																																											
Independent Claims	- 3 =	x \$200.00 =																																																																																											
<input type="checkbox"/> Multiple Dependent Claim(s), if any		\$360.00 =																																																																																											
		TOTAL:																																																																																											
		SMALL ENTITY DISCOUNT:																																																																																											
		SUBTOTAL (1) (\$)																																																																																											
Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid																																																																																									
Total 70	- 124 =		x \$ 50.00 =																																																																																										
Indep. 24	- 24 =		x \$200.00=																																																																																										
<input type="checkbox"/> First Presentation of Multiple Dep. Claim			+ \$360.00=																																																																																										
			TOTAL:	(\$)																																																																																									
			SMALL ENTITY DISCOUNT:	(\$)																																																																																									
			SUBTOTAL (2) (\$)																																																																																										
CORRESPONDENCE ADDRESS Direct all correspondence to: Patent Administrator Goodwin Procter LLP Exchange Place Boston, MA 02109 Tel. No.: (617) 570-1000 Fax No.: (617) 523-1231 Customer No. 051414	SIGNATURE BLOCK Respectfully submitted, Date: <u>Dec 9, 2005</u> Reg. No.: 44,381 Tel. No.: (617) 570-1806 Fax No.: (617) 523-1231 _____ Natasha C. Us Attorney for the Applicants Goodwin Procter LLP Exchange Place Boston, MA 02109																																																																																												



PATENT
Attorney Docket No. ASC-022CPC1
(058420-157317)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Wu *et al.*
SERIAL NO.: 10/603,852 GROUP NO.: 2811
FILING DATE: June 25, 2003 EXAMINER: Douglas W. Owens
TITLE: ETCH STOP LAYER SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with 37 C.F.R. 1.98(a)(2), only copies of the foreign patent documents and non-patent publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☐ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☒ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☒ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

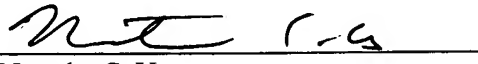
As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Date: Dec. 9, 2005
Reg. No. 44,381

Tel. No.: (617) 570-1806
Fax No.: (617) 523-1231



Natasha C. Us
Attorney for Applicant(s)
Goodwin Procter LLP
Exchange Place
Boston, Massachusetts 02109
Customer No. 051414



FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: ASC-022CPC1 APPLICANT(S): Wu <i>et al.</i> SERIAL NO.: 10/603,852 FILING DATE: June 25, 2003 GROUP: 2811			
U.S. PATENT DOCUMENTS							
EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	A263	5,089,872	Ozturk et al.				
	A264	5,242,847	Ozturk et al.				
	A265	5,548,128	Soref et al.				
	A266	5,607,876	Biegelsen et al.				
	A267	5,821,577	Crabbé et al.				
OTHER ART, JOURNAL ARTICLES, ETC.							
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)						
	C159	Hamada et al., "A New Aspect of Mechanical Stress Effects in Scaled MOS Devices," <u>IEEE Transactions on Electron Devices</u> , Vol. 38, No. 4 (April 1991), pp. 895-900.					
	C160	Huang et al., "Isolation Process Dependence of Channel Mobility in Thin-Film SOI Devices," <u>IEEE Electron Device Letters</u> , Vol. 17, No. 6 (June 1996), pp. 291-293.					
	C161	Huang et al., "LOCOS-Induced Stress Effects on Thin-Film SOI Devices," <u>IEEE Electron Device Letters</u> , Vol. 44, No. 4 (April 1997), pp. 646-650.					
	C162	Iida et al., "Thermal behavior of residual strain in silicon-on-insulator bonded wafer and effects on electron mobility," <u>Solid-State Electronics</u> , Vol. 43 (1999), pp. 1117-1120.					
	C163	International Search Report for Patent Application No. PCT/US 98/13076, dated October 7, 1998, 2 pages.					
	C164	Klausk et al., "Thermal stability of undoped strained Si channel SiGe heterostructures," American Institute of Physics, April 1, 1996, pgs. 1975-1977.					
	C165	Tiwari et al., "Hole Mobility Improvement in Silicon-on-Insulator and Bulk Silicon Transistors Using Local Strain," IEEE International Electron Devices Meeting Technical Digest, (1997), pp. 939-941.					
	C166	Uchino, et al., "A Raised Source/Drain Technology Using In-situ P-doped SiGe and B-doped Si for 0.1-μm CMOS ULSIs," IEEE International Electron Device Meeting Technical Digest, (1997), pp. 479-482.					
EXAMINER				DATE CONSIDERED			